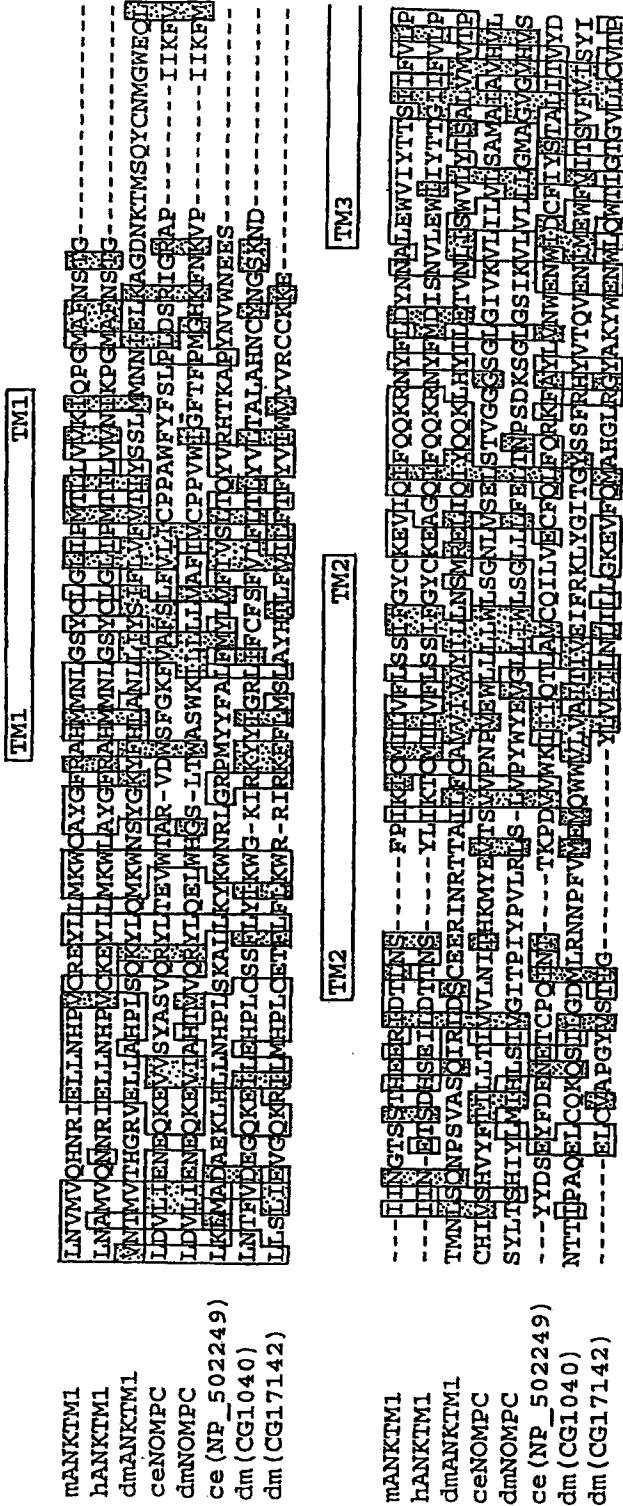
**FIG. 1A****FIG. 1B**

	TM3	TM4	TM5
mANKTM1	IFTINIP	AQNOOGATAFPIVYMNELLQLQRFENC31	IVMLEVIEKFTILRSTGVFIELIA
hANKTM1	LFSEHIP	AHQNOOGATAFPIVYMNELLQLQRFENC31	IVMLEVILKTLRSTGVFIELIA
dmANKTM1	AFOPDGG	ANTHESSAISASIAEISIPELIFLFLREPOVGI	IVMLEVILKTLRSTGVFIELIA
cENOMPC	AFULLPAVEFHLDNDEKLHFARTM	KEYWPTIYVCRNOQCAKAKL	IVMLEVILKTLRSTGVFIELIA
dmNOMPC	AFITFVS	VRQNQWQIIIAKACHEFQWNLJFMRPFC	IVMLEVILKTLRSTGVFIELIA
ce (NP_502249)	FSECSTSG	DFLSFHILGEMWVFDIYKTFERFEPVYV	IVMLEVILKTLRSTGVFIELIA
dm (CG1040)	YTNTK	GOLPFDVYAMWTRKQEFAKILEVMS	IVMLEVILKTLRSTGVFIELIA
dm (CG17142)	ETMRTDDLT	ACPVWQHVAIVLIVVWELMLACREEPF	IVMLEVILKTLRSTGVFIELIA

	TM5	TM6
mANKTM1	FGLSFVLL	FQDA
hANKTM1	FGLSBYLLIN	LQDP
dmANKTM1	FGLAFYVLLSKIIDPOFNHL	-
cENOMPC	FTHVTSEFO	-PAYOFVDEDSAELMR
dmNOMPC	FSEHIVALLNOSPANFSPEEDRSPEKKNRG	GYSDVRMHEDNSFELLFAW
ce (NP_502249)	FSSSFYVLLQ	FGTTEOTQVDKTKIVATPTOEWY
dm (CG1040)	FTHSFCAVFFP	FEETCHIEGDETTAEMFCBARTAY
dm (CG17142)	FGLSEAVTFN	FANPFWGEFIVLVMMGEODSLILINDPE

FIG. 1C

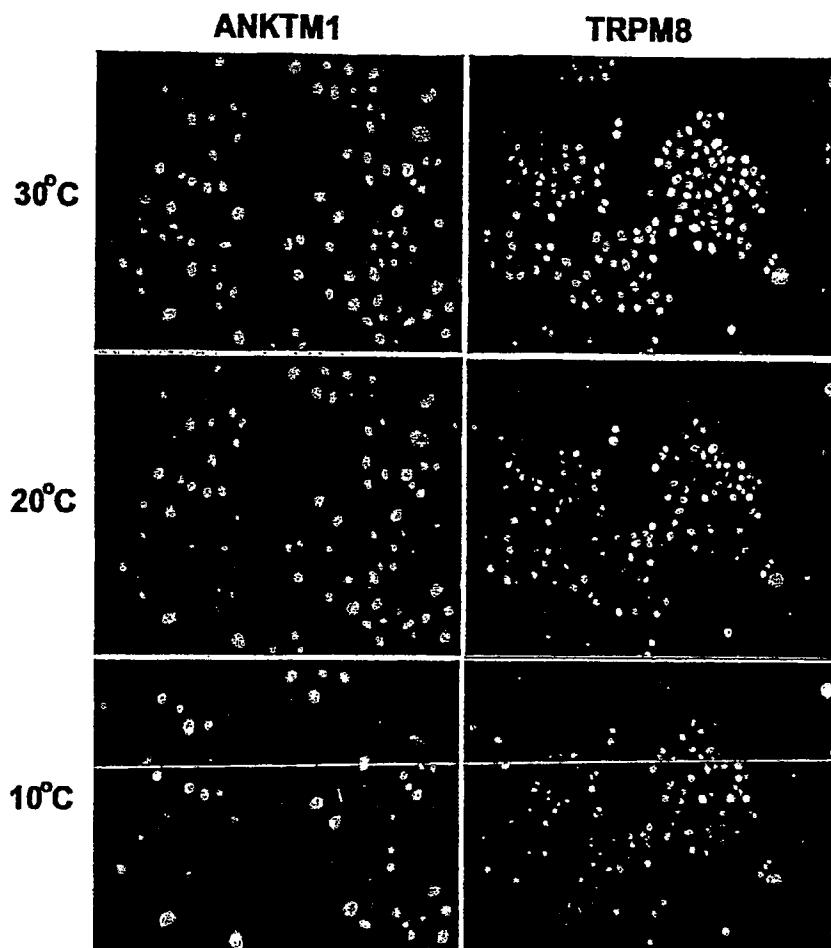


FIG. 5A

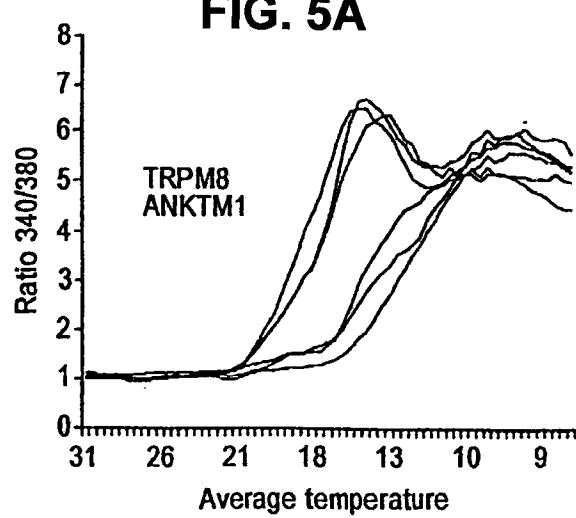
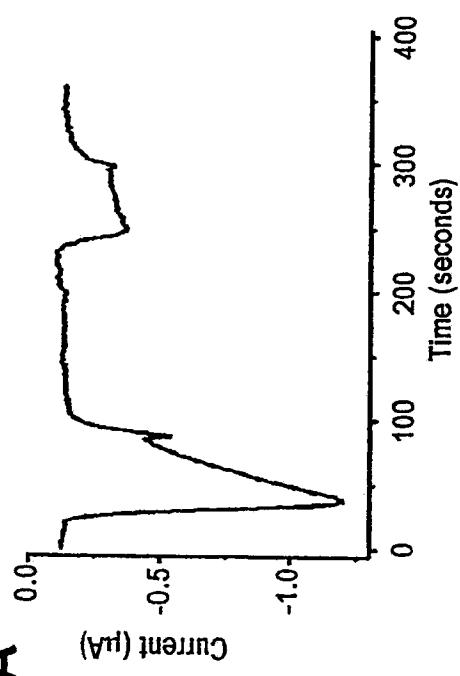
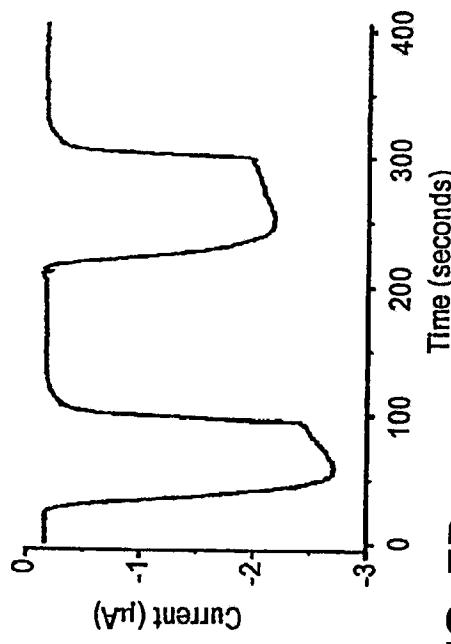
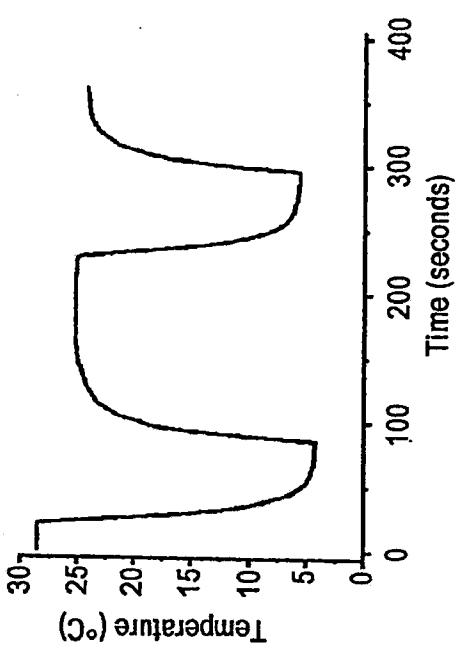


FIG. 5B

FIG. 7A**FIG. 7C****FIG. 7B****FIG. 7D**